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(54) Title: **ELECTRODE-SUPPORTED FUEL CELL**

(57) Abstract: Cathode-supported fuel cell wherein the cathode support comprises a porous part made of an alloy containing iron and chromium and more particularly stainless steel. The anode has a thickness of 1-50 µm and preferably consists of nickel/nickel oxide. The cathode preferably consists of LSM material. Such an electrode-supported fuel cell can be produced by providing a metallic support containing at least iron or chromium by means of sintering, preferably starting from a powder, successively applying thereto an electrode, electrolyte and other electrodes. With this method a cathode is applied to the metallic support and the combination obtained is sintered at a temperature between 1000 and 1200 °C.

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